

WHAT IS CLAIMED IS:

1. An image forming system including an image processing section and a printing section to perform printing based on data magnified from image data, comprising;

first processing means for executing processings inclusive of image data magnifying processing with the aid of a software based on a first magnifying rate derived from an image format,

second processing means for executing the image data magnifying processing with the aid of a hardware based on a second magnifying rate derived from said image format, and

printing operation controlling means for allowing said printing section to execute printing operation based on the image data which have been subjected to magnifying processing with the aid of said first magnifying processing means and said second magnifying processing means.

2. An image forming system as claimed in claim 1, wherein said first magnifying rate and said second magnifying rate are determined based on a resolution of printing said printing section, a processing load to be borne by said first processing means and a

capacity of an image data memory involved in said printing section.

3. An image forming system including an image
5 processing section and a printing section to perform
printing based on the synthesized and magnified data
associated with plural kinds of image data,
comprising;

processing means for executing processings
10 inclusive of magnifying processing with respect to
each of said plural kinds of image data based on a
first magnifying rate derived from a preset image
format,

synthesizing processing means for synthesizing
15 said plural kinds of image data each magnified by
said processing means, based on a synthesizing
information derived from said preset image format,

magnifying processing means for executing magnifying processing for the image data synthesized by said synthesizing processing means, based on a second magnifying rate derived from said preset image format, and

printing operation controlling means for
allowing in said printing section to execute
25 printing operation based on the image data which
have been subjected to magnifying processing with

the aid of said magnifying processing means.

4. An image forming system as claimed in claim 3,
wherein said processing means is constructed by a
5 software, and said magnifying processing means is
constructed by a hardware.

5. An image forming system as claimed in claim 4,
wherein said processing means is constructed in said
10 image processing section, and said magnifying
processing means is constructed in said printing
section.

6. An image forming system as claimed in claim 5,
15 wherein said first magnifying rate and said second
magnifying rate derived from said preset image
format are determined depending on an image memory
capacity of said printing section, a resolution of
said plural kinds of image data and a resolution of
20 said printing section itself in such a manner that a
quantity of memories usable for said image memory is
maximized or a resolution of outputting of the
printing operation to be executed by said printing
section is maximized.

25 7. An image forming system as claimed in claim 6,

wherein said plural kinds of image data include font data, and said processing means executes contour forming processing for said font data.

5 8. An image forming system as claimed in claim 7,
wherein said printing section forms gas bubbles in
ink by applying thermal energy to said ink and
ejects said ink on formation of said gas bubbles,
causing the printing operation to be executed.

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9. An ink jet printing apparatus for performing printing using an ink jet head by ejecting ink to a printing medium from said ink jet head, comprising;

processing means for executing magnifying
15 processing with the aid of a hardware for image data
having the magnifying processing executed therefor,
said image data being fed from a host apparatus, and
printing operation controlling means for
allowing the printing operation to be performed by
20 driving said ink jet head based on the image data
which have been subjected to magnifying processing
by said processing means.

10. An ink jet printing apparatus as claimed in
25 claim 9, wherein said ink jet head forms gas bubbles
in ink by applying thermal energy to said ink, and

~~rejects said ink therefrom on formation of said gas bubbles.~~

11. ~~An image forming method comprising the steps of;~~

5 dividing an magnifying rate applicable when an
magnified image is printed on a printing medium
based on image data, into a plurality of partial
magnifying rates of which multiplication represents
said magnifying rate,

10 executing a plurality of processings at said
partial magnifying rates by executing processings
inclusive of at least magnifying processing with the
aid of a hardware and a software, and
 executing outputting for each printing operation
15 based on the image data obtained from said
magnifying processing.

12. A printed product already subjected to printing,
comprising;

20 a group of dots each having a same density, dots
in said group being arranged with a predetermined
pattern, and

a pattern composed of a plurality of dots among
said groups, a density of the group in said pattern
25 establishing the linear relationship relative to a
density of each of two groups located adjacent to

~~group on the oppos.~~

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